

## MATERIAL SAFETY DATA SHEET

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

### 1. Company and Product Identification

<b>Product:</b>	Bioganic Safety Brands™ Flying Insect Killer	<b>Emergency Telephone Number:</b> InfoTrac Chemical Response System (800) 535-5053 (24 hours)
<b>Manufacturer:</b>	Bioganic Safety Brands, Inc. 318 Seaboard Lane, Suite 208 Franklin, TN 37067	<b>For General Information:</b> (888) 326-7233 (8am to 4pm CST)

### 2. Ingredients

Ingredient Name	% by weight	CAS #	Exposure Limits
<b>Active Ingredient:</b>			
Eugenol	6.0%	97-53-0	None established
Sesame Oil	1.0%	8008-74-0	None established
<b>Inert Ingredients:</b>			
Oil of Wintergreen	5% - 35%	119-36-8	None established
Water	25% - 90%	7732-18-5	None established
Lecithin	0.1% - 5.0%	8002-43-5	None established
Carbon Dioxide	2.0% - 4.0%	124-38-9	TWA: 5000 ppm (OSHA)

### 3. Hazards Identification

**Overview:** White liquid (in aerosol can) with floral scent.

Contents of container are under pressure. Exposure to temperatures above 130°F may cause bursting.

**Potential Health Effects:** Prolonged exposure to this product may cause dry skin, eye/nasal irritation, dizziness, headache or nausea.

### 4. First Aid Measures

<b>Eyes:</b>	Flush with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician if irritation persists.
<b>Skin:</b>	Wash exposed area with soap and water thoroughly. Remove contaminated clothing. Get medical attention if irritation persists.
<b>Inhalation:</b>	Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
<b>Ingestion:</b>	Rinse mouth out with water. Obtain medical attention as soon as possible. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

## 5. Fire Fighting Measures

**Flashpoint:** ..... Greater than 200° F  
**Flammable Limits:**..... Not tested  
**Extinguishing Media:** ..... Carbon Dioxide, Dry Chemical or foam  
**Fire and Explosion Hazards:**.....Container contents are under pressure. Exposure to temperatures above 130°F could cause bursting.  
**Special Fire Fighting Procedures:**.....Keep containers cool to prevent bursting. Firefighters should have eye protection and wear self-contained breathing apparatus.  
**Hazardous Decomposition Products:** .....Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons and terpenes

---

## 6. Spill/Leak Procedures

Should the container begin to leak (if accidentally punctured for example) allow the contents to discharge completely in a well-ventilated area. When the contents have been completely discharged, absorb any liquid residue with an inert absorbent material and dispose of the empty container and absorbent material in accordance with local ordinances. Components of this product are not considered EPA hazardous wastes.

---

## 7. Handling and Storage

Store in a cool, dry place. Do not use or store near heat, flames or hot surfaces. Do not use product on or in electrical equipment. Foods and eating utensils should be removed or covered when this product is used. Food processing equipment should be covered and/or wiped down after use. No smoking or eating in the product handling area. Keep out of the reach of children and animals.

---

## 8. Exposure Control/Personal Protection

**Ventilation:** ..... Local exhaust ventilation is not required.  
**Respiratory Protection:** .....Not required with adequate ventilation.  
**Eye Protection:** ..... Not required.  
**Gloves:**..... Not required.  
**Other Protective equipment:**..... Not required.

---

## 9. Physical Properties

**Appearance:**..... White liquid (in aerosol can)                      **Specific gravity:**.....1  
**Odor:** ..... Floral scent    **Freezing point:**                      32°F (approx.)

---

## 10. Stability and Reactivity

---

**Chemical Stability:** ..... Stable

**Hazardous Polymerization:** ..... Will not occur

**Conditions/Materials to Avoid (Incompatibility):** ..... Temperatures above 130°F and strong oxidizing agents.

---

## 11. Toxicological Information

---

**Rat Acute Oral:**

LD50 > 5000 mg/kg

**Acute effects from Overexposure:**

This product has low oral and dermal toxicity. Prolonged contact with the skin may cause dryness, and contact with the eyes may cause eye irritation. Inhalation of the aerosol may cause irritation of nasal passages and/or dizziness. Ingestion of this product could result in irritation of the gastrointestinal tract, headache or nausea.

**Chronic Effects from Overexposure:**

No data are available.

**Carcinogenicity:**

**NTP:** No

**OSHA:** No

---

## 12. Environmental Information

---

While specific data regarding toxicity to fish or other aquatic organisms is not available for this product, care should always be taken to prevent pesticides from entering aquifers.

---

## 13. Disposal

---

The aerosol container is not refillable. When container is empty, recycle if available. If recycling is not possible, wrap the container and dispose of with ordinary trash.

---

## 14. Transportation Information

---

**Proper Shipping Name:** Consumer Commodity

**DOT Hazard Class:** ORM-D

---

## 15. Regulatory Information

---

**NFPA Ratings:**

Health - 1

Fire - 1

Reactivity - 1

Special - none

---

**SARA Title III:**

This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.